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AUTHOR Harris, Mary Elizabeth
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ABSTRACT

This is a selective bibliography of 91 journal articles dealing with physically handicapped students in the sciences. Because the educational needs of the physically handicapped sometimes require unconventional practices, the articles cited in the bibliography focus on various instructional strategies, curricular modifications, and programs designed to meet the needs of physically handicapped students in elementary, secondary, and college science subjects. In addition, information is provided on the "Resource Directory of Handicapped Scientists" compiled and edited by Janette Alsford Owens, et al. (published in 1978 by the American Association for the Advancement of Science). This document lists 560 handicapped scientists who are willing to consult on a vast array of subjects and some who are willing to give speeches and make presentations. Each citation in the document is accompanied by a brief description of the individual's background, employment, expertise, and disability. (JN)

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TEACHING THE HANDICAPPED IN THE SCIENCES:

A Selective Bibliography of Articles, 1972-1983

Mary Elizabeth Harris
Science Dept., Library
San Diego State University

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This is a selective bibliography of periodical articles dealing with the physically handicapped in the sciences. It covers the years from 1972 to 1983. Before this date relatively little material had been written on the subject. Educational needs of the physically handicapped sometimes requires unconventional practices. The articles in this bibliography deal with these problems.

I chose the starting date because of the Rehabilitation Act of 1973. This Act guaranteed that:

> "No otherwise qualified handicapped individual in the United States ... shall solely by reason of his handicap be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance."

Since this came out there has been an increasing interest and effort on the part of educators to make it possible for the handicapped to participate in the sciences.

A number of groups have been formed and are active in promoting the accessibility of science instruction to handicapped individuals. In the forefront among these are the American Chemical Society Board of Directors Committee on the Physically Handicapped; Foundation for Science and the Handicapped, Inc. (an affiliate society of the AAAS); and Science for the Handicapped Association (an associated group of the National Science Teachers Association).

An important resource that I should like to mention here also is the "Resource Directory of Handicapped Scientists" compiled and edited by Janette Alsford Owens et al, published by the AAAS in 1978. This is a listing of 560 handicapped scientists who are willing to consult on a vast array of subjects and some who are willing to give speeches and make presentations. Each listing is accompanied by a brief description of the individual's background, employment, expertise and disability.

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